

ILLUMINATION DESIGN CHECKLIST

Design Package: PRE Illumination

Sheet(s) ____ of ____

Reviewer (Print Name): Eric Shimizu

Date ____/____/____

<i>I have reviewed the (drawings/specifications/calculations) for items checked on the following list. The items checked were found (generally acceptable/generally not acceptable/acceptable with exceptions) for the level of detail and completeness required of this submittal. I recommend this submittal be (accepted/reworked).</i>								
SUBMITTAL STATUS: <input type="checkbox"/> EARLY RELEASE <input checked="" type="checkbox"/> PRELIMINARY DESIGN <input type="checkbox"/> FINAL DESIGN								
Illumination Plan Design QC Checklist	ACCEPTABLE			NOTES	REQUIRED FOR SUBMITTAL			
	Y	N	N/A		Early Release	Prelim	Final	
General								
Utility Conflicts		X				X	X	
Show existing utilities	X					X	X	
Proposed Channelization			X			X	X	
Cross Sections for each light standard			X			X	X	
Location of lights, service, conduit, jbs required for install			X			X	X	
All equipment within ROW	X					X	X	
Legend, Light Pole Table, & Details Plans								
Legend Complete			X			X	X	
Light Pole table complete (Items Highlighted Yellow are Final ONLY)			X				X	
Underdeck luminaires coordinated with structures			X				X	
Underdeck conduits coordinated, reinforce columns/attach			X				X	
Drafting								
Sheet Index (Jun Audar, WSP)			X			X	X	
Title block, North arrow, and scale bar	X					X	X	
Stationing shown	X					X	X	
Illumination Plan								
Identification of ex illum to remain or to be removed	X					X	X	
Poles re-used noted on plans (update to LED, if ex not LED)	X					X	X	
Poles outside clear zone or protected/breakaway if not	X					X	X	
Service cabinet included			X			X	X	
Power source identified	X					X	X	

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Junction boxes spaced <360' (straight runs)	X					X	X
Pole numbers included			X				X
Pole stationing verified			X				X
Foundation design complete			X				X
Barrier foundations coordinated with structures			X				X
Single line diagrams complete							X
Wiring complete (incl. id of new and ex conductors)			X				X
Complete construction notes			X				X
Illumination details for non-standard elements			X				X
All references to Std Plans and electrical details			X				X
Calculations:							
Conduits sized, New conduit 26% fill, 40% for ex. conduit							X
Junction boxes sized correctly							X
Line loss/wire sizes checked							X
Breakers sized correctly							X
Transformer Calculations performed							X
Service Cabinet Calculations, include photocell, breaker schedules							X
Structural calculations							X
AGi32 Analysis							
3D lighting rendering for the underdeck lighting	X					X	X
AGi32 lighting analysis for the lighting	X					X	X

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Working Drawings: RFP 2.16.4.4 (FOR Construction, ELCON)							
Shop drawings for light standards, mast arms (ea type & size)			X		n/a	n/a	n/a
Luminaires and lamps			X		n/a	n/a	n/a
Wiring diagrams			X		n/a	n/a	n/a
Electrical Panels			X		n/a	n/a	n/a
Splice enclosures			X		n/a	n/a	n/a
Conduit			X		n/a	n/a	n/a
Concrete for foundations			X		n/a	n/a	n/a
Junction boxes			X		n/a	n/a	n/a
Wiring			X		n/a	n/a	n/a